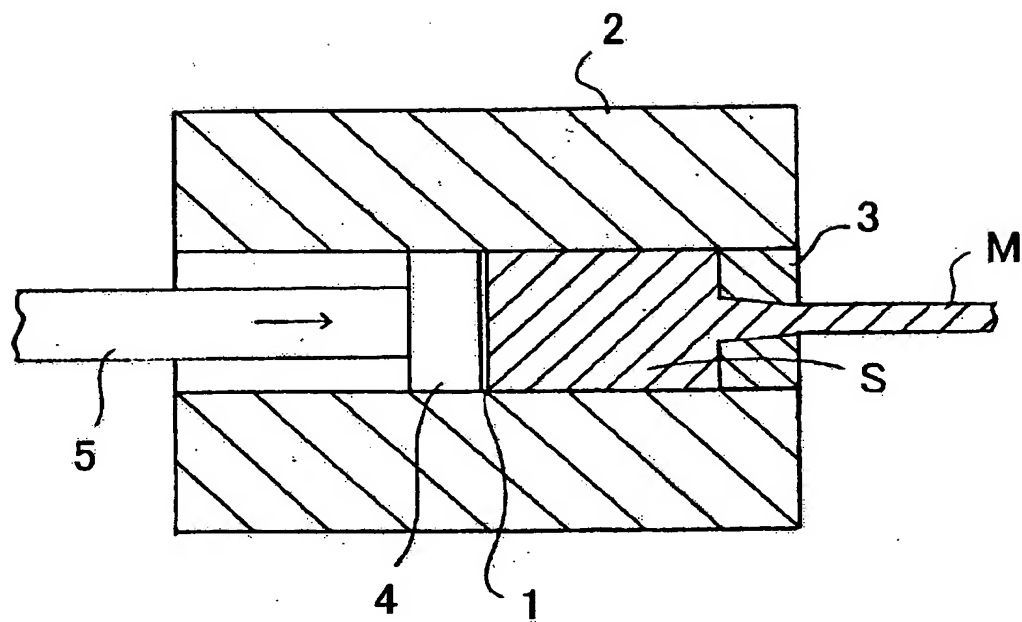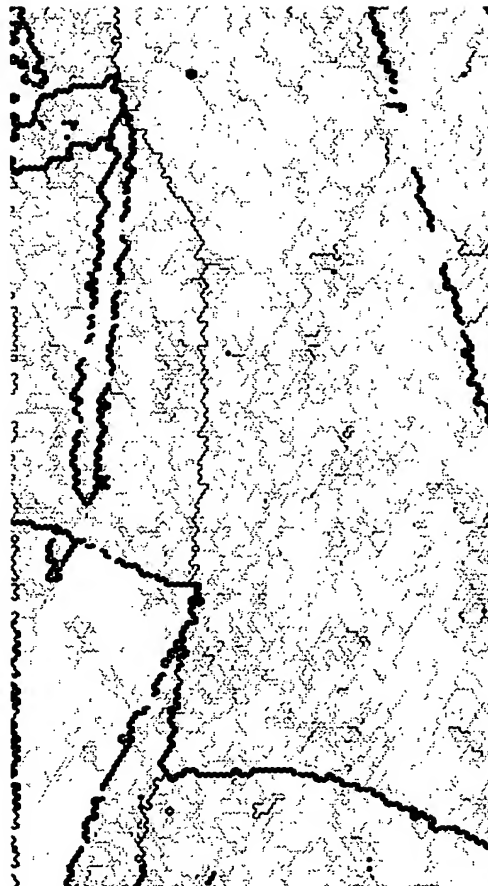FIG. 1

35.00 µm = 70 steps

7.50 µm = 15 steps

PRIOR TO PROCESSING
(FIG. 2B IS AN ENLARGEMENT OF FIG. 2A)

THICKNESS OF THE LINE REPRESENTING CRYSTAL GRAIN
BOUNDARIES INDICATES DIFFERENCE IN ORIENTATION
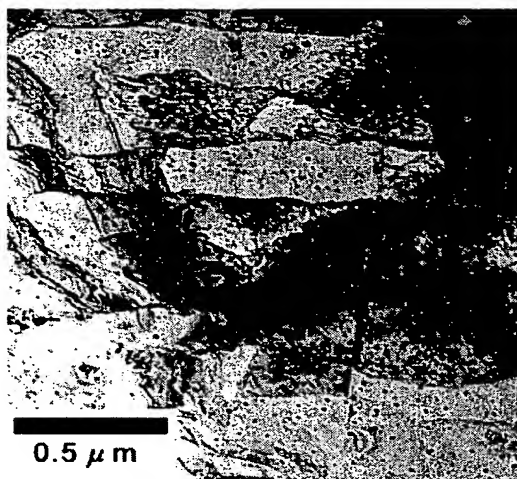WITH THE NEIGHBORING CRYSTAL GRAINS.

	Min	Max	Fraction
	2°	5°	0.074
	5°	15°	0.051
	15°	30°	0.049
	30°	60°	0.278

FIG. 3A   FIG. 3B

9.00 μm = 45 steps

0.5 μm

EXTRUDED MATERIAL
(FIG. 3A: STRUCTURE BY EBSP, FIG. 3B: STRUCTURE BY TEM)

600°C x 1h → EXTRUSION (500°C, EXTRUSION RATIO: 7) → 500 °C x 1h

THICKNESS OF THE LINE REPRESENTING CRYSTAL GRAIN
BOUNDARIES INDICATES DIFFERENCE IN ORIENTATION
WITH THE NEIGHBORING CRYSTAL GRAINS.

	Min	Max	Fraction
	2°	5°	0.074
	5°	15°	0.051
	15°	30°	0.049
	30°	60°	0.278